

Amendments to the Specification

Please replace paragraph [0033] with the following amended paragraph:

[0033] Referring now to the drawings, and in particular to Figures 1 and 2, there is shown a microwave lyophilization system, generally designated 20. The lyophilization system 20 may be utilized as a conventional freeze drying system wherein the moisture is removed by creating atmospheric conditions that facilitate removal of the water content from the product. The atmospheric conditions include placing the system under vacuum and controlling the temperature so that direct sublimation occurs and ice changes directly to water vapor. The lyophilization system 20 includes a processing chamber 22 wherein the freeze drying process occurs. The chamber 22 includes a door 92 with monitoring window 90 formed therein. The door 92 preferably attaches to the chamber forming an opening to the full width of the chamber so that full width trays and material supported thereon may be easily inserted. The chamber 20 22 is preferably sealed to the door 92 with gaskets or other pressure seal devices to accommodate vacuum and pressure conditions. The chamber 20 22 should be capable of withstanding pressures as low or lower than 1 mm Hg, ranging to absolute pressures of several pounds per square inch.